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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/767,486	01/29/2004	Tyrone D. Bekiares	CM06716H	5032
22917	7590	06/14/2007		
MOTOROLA, INC. 1303 EAST ALGONQUIN ROAD IL01/3RD SCHAUMBURG, IL 60196			EXAMINER CHEA, PHILIP J	
			ART UNIT 2153	PAPER NUMBER
			NOTIFICATION DATE 06/14/2007	DELIVERY MODE ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

Docketing.Schaumburg@motorola.com
APT099@motorola.com

Office Action Summary

Application No.

10/767,486

Applicant(s)

BEKIARES ET AL.

Examiner

Philip J. Chea

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 April 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 1/29/04 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application
- ☐ Other: _____

DETAILED ACTION

This Office Action is in response to an Amendment filed April 4, 2007. Claims 1-20 are currently pending. Any rejection not set forth below has been overcome by the current Amendment.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Jasen et al. (US 2002/0019879), herein referred to as Jasen.

As per claims 1, 18, 20, Jasen discloses a method for use by middleware in a communication system comprising the steps of:

enabling a group of behavior sets for use by middleware wherein the middleware provides an interface between at least one application running on a first device and at least one network transport element external to the first device (see paragraphs 18 and 22, where an NTM system is considered the middleware that provides client and server functionality that allows prioritization of web traffic wherein the behavior sets are considered the different priorities), and wherein each behavior set in the group provides for at least one of a different set of routing rules and a different Quality of Service for traffic sent between the at least one application and the at least one network transport element (see paragraph 26);

operating in accordance with a first behavior set from said group (see paragraph 22, where the first behavior set is considered normal network traffic);

receiving at least one trigger (see paragraph 24, where a trigger is considered applying a coupon);

selecting a second behavior set from said group based upon said at least one trigger (see

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paragraph 26); and

operating in accordance with said second behavior set (see paragraph 26).

As per claim 2, Jasen further discloses notifying a second middleware of the selecting of said behavior set, wherein the second middleware provides an interface between at least one application running on a second device and at least one network transport element external to the second device (see paragraph 24, where the second device is considered the NTM server).

As per claim 3, Jasen further discloses the at least one trigger is at least one of:

a light bar activation;

a light bar deactivation;

a change in the time of day;

the speed of a vehicle;

location information;

an emergency bar activation;

an emergency bar deactivation;

an emergency button activation;

an emergency button deactivation;

a siren activation;

a siren deactivation;

a dispatch warning; and

a change in behavior set of a second middleware (see paragraph 23, where a coupon provides a change in behavior set).

As per claim 4, Jasen further discloses that the middleware is a middleware client (see paragraph 18).

As per claim 5, Jasen further discloses that the middleware is a middleware server (see paragraph 18).

As per claim 6, Jasen further discloses implementing a set of routing rules and Quality of

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Service determined as a function of said second behavior set (see paragraph 26).

As per claim 7, Jasen further discloses that the first behavior set is a default behavior set (paragraph 22).

As per claim 8, Jasen further discloses that the at least one trigger is at least one of a remote trigger and an external trigger (see paragraph 23).

As per claim 9, Jasen further discloses examining state information and wherein said second behavior set is selected based upon said state information (see paragraph 23).

As per claim 10, Jasen further discloses that the second behavior set is selected based upon a determination of a first condition (see paragraph 26).

As per claim 11, Jasen further discloses that the first condition is a state of mission criticality (see paragraph 26).

As per claim 12, Jasen further discloses that determination of said first condition is made external to said middleware and communicated to said middleware via said at least one trigger (see paragraph 23).

As per claim 13, Jasen further discloses that determination of said first condition is made by a second middleware that provides an interface between at least one application running on a second device and at least one network transport element external to the second device (see paragraph 23).

As per claim 14, Jasen further discloses that determination of said first condition is made manually (see paragraph 47);

As per claim 15, Jasen further discloses that determination of said first condition is internal to said middleware based on said at least one trigger (see paragraph 47).

As per claim 16, Jasen further discloses that at least one of the behavior sets in said group is predefined (see paragraph 26).

As per claim 17, Jasen further discloses that at least one of the behavior sets in said group is dynamically determined (see paragraph 26).

As per claim 19, Jasen further discloses Middleware for mediating between at least one application and at least one communication network transport, said middleware comprising:

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an application interface to at least one application running on a device (see paragraph 49);

a network interface to at least one network transport element external to the first device (see paragraph 16);

a group of behavior sets, wherein each behavior sets, wherein each behavior set in the group provides for at least one of a different set of routing rules and a different Quality of Service for traffic sent between the at least one application and the at least one network transport element (see paragraph 26); and

a behavior set selection function operative for causing said middleware operate in accordance with a first behavior set from said group (see paragraph 26); receiving at least one trigger (see paragraph 23); selecting a second behavior set from said group based upon said at least one trigger (see paragraph 26); and causing said middleware to operate in accordance with said second behavior set (see paragraph 26).

Response to Arguments

3. Applicant's arguments with respect to claims 1-20 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

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the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Philip J. Chea whose telephone number is 571-272-3951. The examiner can normally be reached on M-F 6:30-4:00 (1st Friday Off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn Burgess can be reached on 571-272-3949. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Philip J Chea
Examiner
Art Unit 2153

PJC 5/30/07



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